

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/DE2004/000732

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7 B23K26/18 B23K26/40 C23C14/58 C23C16/56		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
IPC 7 B23K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
EPO-Internal, WPI Data, INSPEC, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 03, 31 March 1999 (1999-03-31) & JP 10 319221 A (RICOH CO LTD), 4 December 1998 (1998-12-04) abstract; figure 9	1-11
A	DE 199 51 721 A (LPKF LASER & ELECTRONICS AG) 15 June 2000 (2000-06-15) cited in the application	
A	DE 100 17 614 A (LASER LAB GOETTINGEN EV) 25 October 2001 (2001-10-25)	
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *Z* document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
4 October 2004		12/10/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2200 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Patterson, A



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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 10319221	A	04-12-1998	NONE	
DE 19951721	A	15-06-2000	DE 19951721 A1	15-06-2000
DE 10017614	A	25-10-2001	DE 10017614 A1	25-10-2001